

**(h) Installation Prohibition**

After the effective date of this AD, do not install on any airplane an affected life jacket unless it has been repaired and marked to indicate compliance with such repair in accordance with Zodiac Aerospace Services SB 25-65-34, Revision 01, dated March 15, 2019, or Original Issue, dated January 8, 2019; or a method approved by the FAA.

**(i) Definition**

A life jacket eligible for installation is a new life jacket not listed in Table 1 of Zodiac Aerospace Services SB 25-65-33, Revision 02, dated March 15, 2019, or a life jacket repaired in accordance with Zodiac Aerospace Services SB 25-65-34, Revision 01, dated March 15, 2019, or Original Issue, dated January 8, 2019; or by a method approved by the FAA.

**(j) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, Boston ACO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the ACO Branch, send it to the attention of the person identified in paragraph (k)(1) of this AD.

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

**(k) Related Information**

(1) For more information about this AD, contact Erin King, Aerospace Engineer, Boston ACO Branch, FAA, 1200 District Avenue, Burlington, MA 01803; phone 781-238-7655; fax: 781-238-7199; email: [erin.king@faa.gov](mailto:erin.king@faa.gov).

(2) Refer to European Union Aviation Safety Agency (EASA) AD 2019-0010, dated January 23, 2019, for more information. You may examine the EASA AD in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0207.

**(l) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless the AD specifies otherwise.

(i) Zodiac Aerospace Services Service Bulletin (SB) 25-65-33, Revision 02, dated March 15, 2019.

(ii) Zodiac Aerospace Services SB 25-65-34, Revision 01, dated March 15, 2019.

(3) For Safran Aerosystems service information identified in this AD, contact Zodiac Aerospace Services, 61 Rue Pierre Curie, CS20001, 78370 Plaisir Cedex, France; phone: + 33 1 61 34 23 23; fax: + 33 1 61 34 21 13; email: [Technical.Retrofit@zodiac aerospace.com](mailto:Technical.Retrofit@zodiac aerospace.com); internet: <http://tpi.services.zodiac aerospace.com>.

(4) You may view this service information at the FAA, Engine & Propeller Standards Branch, 1200 District Avenue, Burlington, MA 01803. For information on the availability of this material at the FAA, call 781-238-7759.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts, on August 2, 2019.

**Karen M. Grant,**

*Acting Manager, Engine and Propeller Standards Branch, Aircraft Certification Service.*

[FR Doc. 2019-17402 Filed 8-14-19; 8:45 am]

**BILLING CODE 4910-13-P**

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 39**

**[Docket No. FAA-2019-0120; Product Identifier 2018-NM-167-AD; Amendment 39-19702; AD 2019-15-09]**

**RIN 2120-AA64**

**Airworthiness Directives; Bombardier, Inc., Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for certain Bombardier, Inc., Model DHC-8-400 series airplanes. This AD was prompted by a report of a cracked outboard spoiler actuator mounting bracket. This AD requires repetitive inspections of the outboard spoiler actuator mounting brackets, replacement of any cracked bracket, and eventual replacement of all brackets with a re-designed part that would terminate the repetitive inspections. The FAA is issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective September 19, 2019.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of September 19, 2019.

**ADDRESSES:** For service information identified in this final rule, contact Bombardier, Inc., Q-Series Technical Help Desk, 123 Garratt Boulevard, Toronto, Ontario M3K 1Y5, Canada; telephone 416-375-4000; fax 416-375-

4539; email [thd.qseries@aero.bombardier.com](mailto:thd.qseries@aero.bombardier.com); internet <http://www.bombardier.com>. You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0120.

**Examining the AD Docket**

You may examine the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0120; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the regulatory evaluation, any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Aziz Ahmed, Aerospace Engineer, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, New York 11590; telephone: 516-287-7329; fax: 516-794-5531; email: [Aziz.Ahmed@faa.gov](mailto:Aziz.Ahmed@faa.gov).

**SUPPLEMENTARY INFORMATION:****Discussion**

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain Bombardier, Inc., Model DHC-8-400 series airplanes. The NPRM published in the **Federal Register** on March 21, 2019 (84 FR 10449). The NPRM was prompted by a report of a cracked outboard spoiler actuator mounting bracket. The NPRM proposed to require repetitive inspections of the outboard spoiler actuator mounting brackets, replacement of any cracked bracket, and eventual replacement of all brackets with a re-designed part that would terminate the repetitive inspections.

The FAA is issuing this AD to address cracking of the outboard spoiler actuator mounting brackets, which could cause inoperability or jam of a single spoiler panel and possible jam of the aileron circuit. This condition, if not corrected, could adversely affect the continued safe operation and landing of the airplane.

Transport Canada Civil Aviation (TCCA), which is the aviation authority

for Canada, has issued Canadian AD CF-2018-21R1, effective November 1, 2018 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for certain Bombardier, Inc., Model DHC-8-400 series airplanes. The MCAI states:

During a scheduled aileron inspection, a crack was found in the right-hand outboard spoiler bracket of an in-service aircraft. An investigation concluded that the crack was caused by low load, high cycle fatigue. A cracked bracket could cause inoperability or jam of a single spoiler panel and possible jam of the aileron circuit. This condition, if not corrected, could adversely affect the continued safe operation and landing of the aeroplane.

The original version of this [Canadian] AD required initial and repetitive inspections of the outboard spoiler brackets, and required replacement of any brackets found cracked. It also required replacement of the brackets with a new design, which terminates the inspection requirement.

Revision 1 of this [Canadian] AD is issued to correct an error in the date of Service Bulletin (SB) 84-27-72 Revision A. This [Canadian] AD also clarifies the part numbers

of the outboard spoiler actuator brackets and their assemblies.

You may examine the MCAI in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0120.

**Comments**

The FAA gave the public the opportunity to participate in developing this final rule. The FAA has considered the comment received. The Air Line Pilots Association, International (ALPA) agrees with the intent of the NPRM.

**Conclusion**

The FAA reviewed the relevant data, considered the comment received, and determined that air safety and the public interest require adopting this final rule as proposed, except for minor editorial changes. The FAA has determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for addressing the unsafe condition; and

- Do not add any additional burden upon the public than was already proposed in the NPRM.

**Related Service Information Under 1 CFR Part 51**

Bombardier has issued Service Bulletin 84-27-72, Revision A, dated November 9, 2017. This service information describes procedures for repetitively inspecting the left and right outboard spoiler actuator mounting brackets for cracks, replacing cracked brackets, eventually replacing all brackets with re-designed parts, and related investigative and corrective actions.

This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

**Costs of Compliance**

The FAA estimates that this AD affects 53 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

**ESTIMATED COSTS FOR REQUIRED ACTIONS**

Labor cost	Parts cost	Cost per product	Cost on U.S. operators
20 work-hours × \$85 per hour = \$1,700 .....	\$4,142	\$5,842	\$309,626

The FAA has received no definitive data that would enable the agency to provide cost estimates for the on-condition actions specified in this AD.

**Authority for This Rulemaking**

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency’s authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: General requirements. Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

This AD is issued in accordance with authority delegated by the Executive Director, Aircraft Certification Service,

as authorized by FAA Order 8000.51C. In accordance with that order, issuance of ADs is normally a function of the Compliance and Airworthiness Division, but during this transition period, the Executive Director has delegated the authority to issue ADs applicable to transport category airplanes and associated appliances to the Director of the System Oversight Division.

**Regulatory Findings**

This AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Will not affect intrastate aviation in Alaska, and
- (3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities

under the criteria of the Regulatory Flexibility Act.

**List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

**Adoption of the Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

**PART 39—AIRWORTHINESS DIRECTIVES**

- 1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

**§ 39.13 [Amended]**

- 2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

**2019-15-09 Bombardier, Inc.:** Amendment 39-19702; Docket No. FAA-2019-0120; Product Identifier 2018-NM-167-AD.

**(a) Effective Date**

This AD is effective September 19, 2019.

**(b) Affected ADs**

None.

**(c) Applicability**

This AD applies to Bombardier, Inc., Model DHC-8-400, -401, and -402 airplanes, certificated in any category, serial numbers (S/Ns) 4001 through 4547 inclusive, having outboard spoiler actuator mounting brackets with part numbers (P/Ns) 85714052-101 or 85714052-102.

**(d) Subject**

Air Transport Association (ATA) of America Code 57, Wings.

**(e) Reason**

This AD was prompted by a report of a cracked outboard spoiler actuator mounting bracket. The FAA is issuing this AD to address cracking of the outboard spoiler actuator mounting brackets, which could cause inoperability or jam of a single spoiler panel and possible jam of the aileron circuit. This condition, if not corrected, could adversely affect the continued safe operation and landing of the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Repetitive Inspections**

At the applicable time specified in paragraph (g)(1) or (g)(2) of this AD: Do a general visual inspection for cracks in the left and right outboard spoiler actuator mounting brackets having P/N 85714052-101 or 85714052-102 (belonging to assemblies having P/N 85714018-001 or P/N 85714018-002, respectively), in accordance with Section 3.B, Part A, of the Accomplishment Instructions of Bombardier Service Bulletin 84-27-72, Revision A, dated November 9, 2017. Repeat the inspection thereafter at intervals not to exceed 8,000 flight hours.

(1) For airplanes having less than 12,000 total flight hours as of the effective date of this AD: Prior to the accumulation of 18,000 total flight hours.

(2) For airplanes having 12,000 total flight hours or more as of the effective date of this AD: Within 6,000 flight hours after the effective date of this AD.

**(h) Part Replacement**

(1) If, during any inspection required by paragraph (g) of this AD, either the left or right outboard spoiler actuator mounting bracket is found cracked: Before further flight, replace both the left and right brackets with new bracket assemblies having P/N 85714018-003 or P/N 85714018-004, including doing all applicable related investigative actions and corrective actions, in accordance with Section 3.B, Part B, of the Accomplishment Instructions of Bombardier Service Bulletin 84-27-72, Revision A, dated November 9, 2017; except, where the service information specifies contacting Bombardier for corrective action, this AD requires accomplishing the action using a method approved by the Manager, New York ACO Branch, FAA; or Transport Canada Civil Aviation (TCCA); or Bombardier, Inc.'s TCCA Design Approval Organization (DAO). If

approved by the DAO, the approval must include the DAO-authorized signature.

(2) If, during any inspection required by paragraph (g) of this AD, no cracking is found on the left and right outboard spoiler actuator mounting brackets, and the left and right outboard spoiler actuator mounting brackets have not already been replaced per the requirements of paragraph (h)(1) of this AD: Replace both the left and right brackets with new bracket assemblies having P/N 85714018-003 or P/N 85714018-004, including doing all applicable related investigative actions and corrective actions, at the applicable time specified in paragraph (h)(2)(i) or (h)(2)(ii) of this AD, in accordance with Section 3.B, Part B, of the Accomplishment Instructions of Bombardier Service Bulletin 84-27-72, Revision A, dated November 9, 2017; except, where the service information specifies contacting Bombardier for corrective action, this AD requires accomplishing the action using a method approved by the Manager, New York ACO Branch, FAA; or TCCA; or Bombardier, Inc.'s TCCA DAO. If approved by the DAO, the approval must include the DAO-authorized signature. Related investigative and corrective actions must be done before further flight.

(i) For airplanes that have accumulated less than 34,000 total flight hours as of the effective date of this AD: Replace the outboard spoiler actuator mounting brackets prior to the airplane accumulating 40,000 total flight hours.

(ii) For airplanes that have accumulated 34,000 total flight hours or more as of the effective date of this AD: Replace the outboard spoiler actuator mounting brackets within 6,000 flight hours after the effective date of this AD.

**(i) Terminating Action for Repetitive Inspections**

Replacement of an outboard spoiler actuator mounting bracket, in accordance with the requirements of paragraph (h) of this AD, is terminating action for the repetitive inspections required by paragraph (g) of this AD for the replaced bracket.

**(j) Credit for Previous Actions**

This paragraph provides credit for the actions required by paragraphs (g) and (h) of this AD, if those actions were performed before the effective date of this AD using Bombardier Service Bulletin 84-27-72, dated January 19, 2017.

**(k) Other FAA AD Provisions**

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, New York ACO Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the certification office, send it to ATTN: Program Manager, Continuing Operational Safety, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, NY 11590; telephone

516-228-7300; fax 516-794-5531. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) *Contacting the Manufacturer*: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, New York ACO Branch, FAA; or TCCA; or Bombardier, Inc.'s TCCA DAO. If approved by the DAO, the approval must include the DAO-authorized signature.

**(l) Related Information**

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) Canadian AD CF-2018-21R1, effective November 1, 2018, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0120.

(2) For more information about this AD, contact Aziz Ahmed, Aerospace Engineer, FAA, New York ACO Branch, 1600 Stewart Avenue, Suite 410, Westbury, New York 11590; telephone: 516-287-7329; fax: 516-794-5531; email: [Aziz.Ahmed@faa.gov](mailto:Aziz.Ahmed@faa.gov).

(3) Service information identified in this AD that is not incorporated by reference is available at the addresses specified in paragraphs (m)(3) and (m)(4) of this AD.

**(m) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Bombardier Service Bulletin 84-27-72, Revision A, dated November 9, 2017.

(ii) [Reserved]

(3) For service information identified in this AD, contact Bombardier, Inc., Q-Series Technical Help Desk, 123 Garratt Boulevard, Toronto, Ontario M3K 1Y5, Canada; telephone 416-375-4000; fax 416-375-4539; email [thd.qseries@aero.bombardier.com](mailto:thd.qseries@aero.bombardier.com); internet <http://www.bombardier.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on July 30, 2019.

**Michael Kaszycki,**

*Acting Director, System Oversight Division, Aircraft Certification Service.*

[FR Doc. 2019-17502 Filed 8-14-19; 8:45 am]

**BILLING CODE 4910-13-P**